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FILE 'HOME' ENTERED AT 14:03:50 ON 08 MAR 2005

=> file reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY 0.21	TOTAL SESSION 0.21
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FILE 'REGISTRY' ENTERED AT 14:03:58 ON 08 MAR 2005
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STRUCTURE FILE UPDATES: 6 MAR 2005 HIGHEST RN 843607-47-6
DICTIONARY FILE UPDATES: 6 MAR 2005 HIGHEST RN 843607-47-6

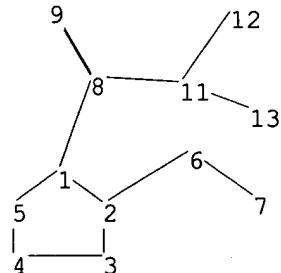
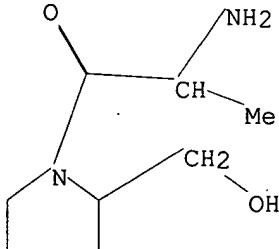
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10805624s.str



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chain nodes :
6 7 8 9 11 12 13
ring nodes :
1 2 3 4 5
chain bonds :
1-8 2-6 6-7 8-9 8-11 11-12 11-13
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-8 8-9 11-12
exact bonds :
2-3 2-6 3-4 4-5 6-7 8-11 11-13
isolated ring systems :
containing 1 :

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> s
ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end
SEARCH ENDED BY USER

=> s 11
SAMPLE SEARCH INITIATED 14:04:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 16383 TO ITERATE

6.1% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 319996 TO 335324
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 14:04:17 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 329095 TO ITERATE

100.0% PROCESSED 329095 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.03

L3 6 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 161.33 161.54

FILE 'CAPLUS' ENTERED AT 14:04:24 ON 08 MAR 2005
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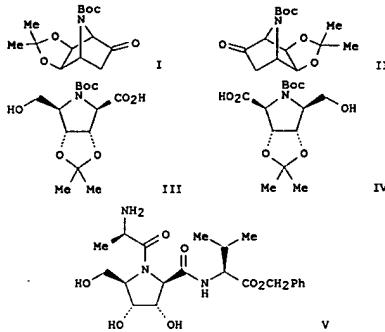
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FILE COVERS 1907 - 8 Mar 2005 VOL 142 ISS 11
FILE LAST UPDATED: 7 Mar 2005 (20050307/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

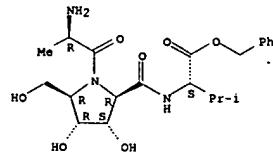
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=> s 13
L4          4 L3
=> d ibib abs hitstr tot
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L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:435765 CAPLUS
 DOCUMENT NUMBER: 141:140758
 TITLE: Synthesis of D- and
 L-2,3-trans-3,4-cis-4,5-trans-3,4-
 Dihydroxy-5-hydroxymethylproline and Tripeptides
 Containing Them
 AUTHOR(S): Moreno-Vargas, Antonio J.; Robina, Inmaculada;
 Petricci, Elena; Vogel, Pierre
 CORPORATE SOURCE: Laboratoire de Glycochimie et de Synthese
 Asymetrique,
 Swiss Federal Institute of Technology (EPFL),
 Lausanne-Dorigny, CH-1015, Switz.
 SOURCE: Journal of Organic Chemistry (2004), 69(13).
 4487-4491
 CODEN: JOCEAH; ISSN: 0022-3263
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 141:140758
 GI



AB Enantiomerically pure (−)- and (+)-7-(tert-butoxycarbonyl)-5,6-exo-isopropylidenedioxy-7-azabicyclo[2.2.1]heptan-2-ones, I and II, resp., were prepared. I and II were converted into D- and L-2,3-trans-3,4-cis-4,5-trans-N-(tert-butoxycarbonyl)-5-hydroxymethyl-3,4-isopropylidenedioxyprolines, III and IV, resp. Applying the Boc and Fmoc strategies of peptide synthesis, these compds. were used to construct two tripeptides. For example, III was incorporated into peptide synthesis to give tripeptide V.
 IT 726192-28-5P

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (asym. prep. of (dihydroxy)hydroxymethylproline and its incorporation
 into tripeptides)
 RN 726192-28-5 CAPLUS
 CN L-Valine, D-alanyl-(3S,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-D-prolyl-,
 phenylmethyl ester (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2003:334930 CAPLUS
 DOCUMENT NUMBER: 138:331666
 TITLE: Method for re-sensitizing vancomycin resistant
 bacteria using agents which selectively cleave a cell
 wall depsipeptide
 INVENTOR(S): Chiosis, Gabriela; Boneca, Ivo G.; Still, W. Clark
 PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of
 New York, USA
 SOURCE: PCT Int. Appl., 105 pp.
 CODEN: PIXKD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

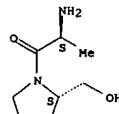
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, A2, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003125372	A1	20030703	US 2001-938746	20010823
US 6734165	B2	20040511		
EP 1427435	A1	20040616	EP 2002-768692	20020823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2004180814	A1	20040916	US 2004-805624	20040318
PRIORITY APPLN. INFO.:			US 2001-938746	A 20010823
		WO 2002-US26975		W 20020823

OTHER SOURCE(S): MARPAT 138:331666
 AB The present invention relates a method for re-sensitizing vancomycin
 resistant Gram-pos. bacteria in which resistance results from the
 conversion of an amide bond to an ester bond in the cell wall peptide
 precursors of the bacteria which comprises using an antibacterial amount
 of vancomycin or a homolog of vancomycin and an amount of an agent
 effective to
 selectively cleave the ester bond to thereby re-sensitize vancomycin
 resistant bacteria.

IT 518012-31-2
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (re-sensitizing vancomycin resistant Gram-pos. bacteria using agents
 which selectively cleave ester bond of D-Ala-D-Lac cell wall
 depsipeptide)
 RN 518012-31-2 CAPLUS
 CN 2-Pyrrolidinemethanol, 1-[(2S)-2-amino-1-oxopropyl]-, (2S)- (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

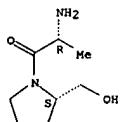
L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2001:643886 CAPLUS
 DOCUMENT NUMBER: 136:2743
 TITLE: Selective cleavage of D-Ala-D-Lac by small molecules: re-sensitizing resistant bacteria to vancomycin
 AUTHOR(S): Chiosis, Gabriela; Boneca, Ivo G.
 CORPORATE SOURCE: Department of Chemistry, Columbia University, New York, NY, 10027, USA
 SOURCE: Science (Washington, DC, United States) (2001), 293(5534), 1484-1487
 CODEN: SCIEAS; ISSN: 0036-8075
 PUBLISHER: American Association for the Advancement of Science
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB Pathogenic enterococci are becoming resistant to currently available antibiotics, including vancomycin, the drug of last resort for Gram-pos. infections. Enterococci pose a significant public health threat, not least because of the risk of transferring vancomycin resistance to the ubiquitous *Staphylococcus aureus*. Vancomycin resistance is manifested by cell wall peptidoglycan precursors with altered termini that cannot bind the antibiotic. Small mols. with well-oriented nucleophilic-electrophilic assembly and complementary chirality to the peptidoglycan termini were identified as catalytic and selective cleavers of the peptidoglycan precursor depsipeptide. These mols. were tested in combination with vancomycin and were found to re-sensitize vancomycin-resistant bacteria to the antibiotic.

IT 376643-19-5
 RL: B5U (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (selective cleavage of D-Ala-D-Lac by small mols.: re-sensitizing resistant bacteria to vancomycin)

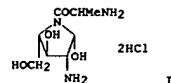
RN 376643-19-5 CAPLUS
 CN 2-Pyrrolidinemethanol, 1-[(2R)-2-amino-1-oxopropyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



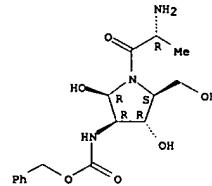
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1978:152891 CAPLUS
 DOCUMENT NUMBER: 88:152891
 TITLE: Studies on heterosugars. Part II. Synthesis of 2,4-diamino-2,4-dideoxy-L-arabinose derivatives (prumycin derivatives)
 AUTHOR(S): Hsegawa, Akira; Sakurai, Tooru; Kiso, Makoto
 CORPORATE SOURCE: Dep. Agric. Chem., Gifu Univ., Gifu, Japan
 SOURCE: Agricultural and Biological Chemistry (1978), 42(1), 153-8
 CODEN: ABCHA6; ISSN: 0002-1369
 DOCUMENT TYPE: Journal
 LANGUAGE: English



AB 2,4-Diamino-2,4-dideoxy-L-arabinose derivs. were prepared from benzyl 2-(benzylloxycarbonyl)amino-2-deoxy- β -D-glucofuranoside by a series of known reactions. Among the compds. prepared is furanoid prumycin I.
 IT 66167-01-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and catalytic hydrogenolysis of)
 RN 66167-01-9 CAPLUS
 CN Carbanic acid, (1-[(2-amino-1-oxopropyl)-2,4-dihydroxy-5-(hydroxymethyl)-3-pyrrolidinyl]- phenylmethyl ester, [2R-(1(R*),2a,3a,4B,5a)]- (9CI) (CA INDEX NAME)

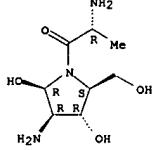
Absolute stereochemistry.



IT 66167-02-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 66167-02-0 CAPLUS
 CN 2,4-Pyrrolidinediol, 3-amino-1-(2-amino-1-oxopropyl)-5-(hydroxymethyl)- dihydrochloride, [2R-[1(R*),2a,3a,4B,5a]]- (9CI)

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

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FILE 'HOME' ENTERED AT 14:16:11 ON 08 MAR 2005

=> file reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY 0.21	TOTAL SESSION 0.21
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STRUCTURE FILE UPDATES: 6 MAR 2005 HIGHEST RN 843607-47-6
DICTIONARY FILE UPDATES: 6 MAR 2005 HIGHEST RN 843607-47-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

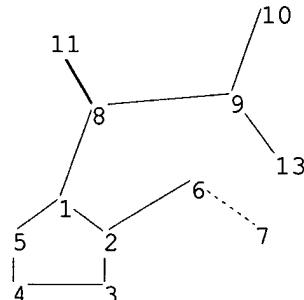
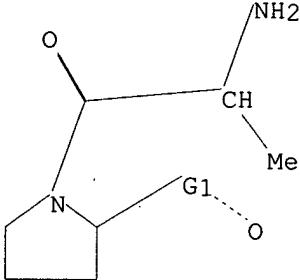
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> Uploading C:\Program Files\Stnexp\Queries\10805624n.str



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6 7 8 9 10 11 13
ring nodes :
1 2 3 4 5
chain bonds :
1-8 2-6 6-7 8-9 8-11 9-10 9-13
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-8 2-6 6-7 8-11 9-10
exact bonds :
2-3 3-4 4-5 8-9 9-13
isolated ring systems :
containing 1 :

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G1:CH2,CH

Match level :

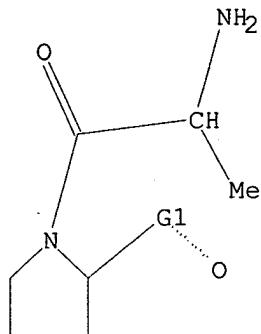
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 CH2,CH

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 14:16:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 16383 TO ITERATE

6.1% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 319996 TO 335324
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 14:16:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 329095 TO ITERATE

100.0% PROCESSED 329095 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.03

L3 7 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
161.33	161.54

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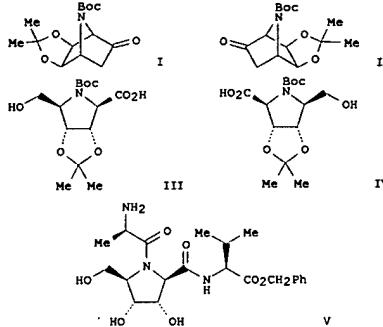
FILE COVERS 1907 - 8 Mar 2005 VOL 142 ISS 11
FILE LAST UPDATED: 7 Mar 2005 (20050307/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4 5 L3

=> d ibib abs hitstr tot

14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:435765 CAPLUS
 DOCUMENT NUMBER: 141:140758
 TITLE: Synthesis of D- and
 L-2,3-trans-3,4-cis-4,5-trans-3,4-Dihydroxy-5-hydroxymethylproline and Tripeptides
 Containing Them
 AUTHOR(S): Moreno-Vargas, Antonio J.; Robina, Inmaculada;
 Petricci, Elena; Vogel, Pierre
 CORPORATE SOURCE: Laboratoire de Glycochimie et de Synthese
 Asymetrique,
 Swiss Federal Institute of Technology (EPFL),
 Lausanne-Dorigny, CH-1015, Switz.
 SOURCE: Journal of Organic Chemistry (2004), 69(13),
 4487-4491
 PUBLISHER: CODEN: JOCEAH; ISSN: 0022-3263
 DOCUMENT TYPE: American Chemical Society
 Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 141:140758
 GI



AB Enantiomerically pure (−)- and (+)-7-(tert-butoxycarbonyl)-5,6-exo-isopropylidenedioxy-7-azabicyclo[2.2.1]heptan-2-ones, I and II, resp., were prepared. I and II were converted into D- and L-2,3-trans-4,4-cis-5-trans-N-(tert-butoxycarbonyl)-5-hydroxymethyl-3,4-isopropylidenedioxyprolines, III and IV, resp. Applying the Boc and Fmoc strategies of peptide synthesis, these compds. were used to construct two tripeptides. For example, III was incorporated into peptide synthesis to give tripeptide V.

IT 726192-28-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (asym. preparation of (dihydroxy)hydroxymethylproline and its incorporation

give tripept
IT 726192-28-5P

IT 726192-28-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(asym. preparation of (dihydroxy)hydroxymethylproline and its incorporation

14 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2003-334930 CAPLUS
DOCUMENT NUMBER: 138-331666
TITLE: Method for re-sensitizing vancomycin resistant
bacteria using agents which selectively cleave a cell
wall deipeptide
INVENTOR(S): Chiossi, Gabriela; Boneca, Ivo G.; Still, W. Clark
PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of
New York, USA
SOURCE: PCT Int. Appl., 105 pp.
DOCUMENT TYPE: Patent
CODEN: PIXXD2
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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RW: GH, GM, KE, LS, MW, SD, SL, SZ, T2, UG, ZM, ZW, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003125372	A1	20030703	US 2001-938746	20010823
US 6734165	B2	20040511		
EP 1427435	A1	20040616	EP 2002-768692	20020823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2004180814	A1	20040916	US 2004-805624	20040318
PRIORITY APPN. INFO.:			US 2001-938746	A 20010823

OTHER SOURCE(S): MARPAT 138:331666
AB The present invention relates a method for re-sensitizing vancomycin resistant Gram-pos. bacteria in which resistance results from the conversion of an amide bond to an ester bond in the cell wall peptide precursors of the bacteria which comprises using an antibacterial amount of vancomycin or a homolog of vancomycin and an amount of an agent effective to selectively cleave the ester bond to thereby re-sensitize vancomycin resistant bacteria.

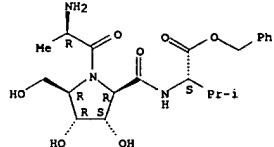
IT Siderophiles bacteria.
Side-3-1-1
RL PRC (Pharmacological activity): THU (Therapeutic use): BIOL
(Biological study); USES (Uses)
(re-sensitizing vancomycin resistant Gram-pos. bacteria using agents
which selectively cleave ester bond of D-Ala-D-Lac cell wall
depeptidase).

RN 518012-31-2 CAPLUS
CN 2-Pyrrolidinemethanol, 1-[(2S)-2-amino-1-oxopropyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

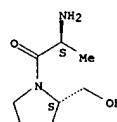
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
into tripeptides)
RN 726192-28-5 CAPLUS
CN D-L-Valine, D-alanyl-(3S,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-D-prolyl-,
phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

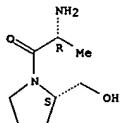
L4 ANSWER 2 OF 5 CACPLUS COPYRIGHT 2005 ACS on STN (continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2001:643886 CAPLUS
 DOCUMENT NUMBER: 136:2743
 TITLE: Selective cleavage of D-Ala-D-Lac by small molecules: re-sensitizing resistant bacteria to vancomycin
 AUTHOR(S): Chiosis, Gabriela; Boneca, Ivo G.
 CORPORATE SOURCE: Department of Chemistry, Columbia University, New York, NY, 10027, USA
 SOURCE: Science (Washington, DC, United States) (2001), 293(5534), 1484-1487
 CODEN: SCIEAS; ISSN: 0036-8075
 PUBLISHER: American Association for the Advancement of Science
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Pathogenic enterococci are becoming resistant to currently available antibiotics, including vancomycin, the drug of last resort for Gram-pos. infections. Enterococci pose a significant public health threat, not least because of the risk of transferring vancomycin resistance to the ubiquitous *Staphylococcus aureus*. Vancomycin resistance is manifested by cell wall peptidoglycan precursors with altered termini that cannot bind the antibiotic. Small mols. with well-oriented nucleophile-electrophile assembly and complementary chirality to the peptidoglycan termini were identified as catalytic and selective cleavers of the peptidoglycan precursor depsipeptide. These mols. were tested in combination with vancomycin and were found to re-sensitize vancomycin-resistant bacteria to the antibiotic.
 IT 376643-19-5
 RL: B5U (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (selective cleavage of D-Ala-D-Lac by small mols.: re-sensitizing resistant bacteria to vancomycin)
 RN 376643-19-5 CAPLUS
 CN 2-Pyrrolidinemethanol, 1-((2R)-2-amino-1-oxopropyl)-, (2S)- (9CI) (CA INDEX NAME)

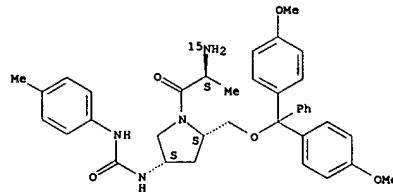
Absolute stereochemistry.



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

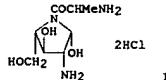
L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1997:790867 CAPLUS
 DOCUMENT NUMBER: 128:75651
 TITLE: The solid phase synthesis of trisubstituted 1,4-diazabicyclo[4.3.0]nonan-2-one scaffolds: on bead monitoring of heterocycle forming reactions using 15N NMR
 AUTHOR(S): Swaize, Eric E.
 CORPORATE SOURCE: Isis Pharmaceuticals, Carlsbad, CA, 92008, USA
 SOURCE: Tetrahedron Letters (1997), 38(50), 8643-8646
 CODEN: TELEAY; ISSN: 0040-4039
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Several representative 3,4,8-trisubstituted 1,4-diazabicyclo[3.4.0]nonan-2-ones have been prepared employing solid phase methodologies. Elaboration of a 4-hydroxyproline derivative with a 15N-amino acid derivative allowed convenient monitoring of the reaction sequence on solid support by gel-phase 15N NMR. An intramol. Mitsunobu cyclization provided the desired heterocycle, which could be further functionalized at the 4-position. This synthetic method is facile, general, and suitable for the construction of large libraries of compds. for biol. assays.
 IT 200623-22-9DP, resin-bound
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (NMR monitoring of solid phase synthesis of trisubstituted diazabicyclononane scaffolds)
 RN 200623-22-9 CAPLUS
 CN 3-Pyrrolidinamine, 1-[(2-amino-15N)-1-oxopropyl]-5-[(bis(4-methoxyphenyl)phenylmethoxy)methyl]-N-[(4-methylphenyl)amino]carbonyl-, [3S-(1R*,3a,5a)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1978:152891 CAPLUS
 DOCUMENT NUMBER: 88:152891
 TITLE: Studies on heterosugars. Part II. Synthesis of 2,4-diamino-2,4-dideoxy-L-arabinose derivatives (prumycin derivatives)
 AUTHOR(S): Hasegawa, Akira; Sakurai, Tooru; Kiso, Makoto
 CORPORATE SOURCE: Dep. Agric. Chem., Gifu Univ., Gifu, Japan
 SOURCE: Agricultural and Biological Chemistry (1978), 42(1), 153-6
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



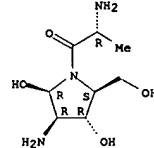
AB 2,4-Diamino-2,4-dideoxy-L-arabinose derivs. were prepared from benzyl 2-(benzylloxycarbonyl)amino-2-deoxy-B-D-glucofuranoside by a series of known reactions. Among the compds. prepared is furanoid prumycin I.
 IT 66167-01-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and catalytic hydrogenolysis of)
 RN 66167-01-9 CAPLUS
 CN Carbamoyl acid, [1-(2-amino-1-oxopropyl)-2,4-dihydroxy-5-(hydroxymethyl)-3-pyrrolidinyl]- phenylmethyl ester, (2R-[1(R*),2a,3a,4B,5a]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

IT 66167-02-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 66167-02-0 CAPLUS
 CN 2,4-Pyrrolidinediol, 3-amino-1-(2-amino-1-oxopropyl)-5-(hydroxymethyl)-, dihydrochloride, [2R-[1(R*),2a,3a,4B,5a]- (9CI)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

IT 66167-02-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 66167-02-0 CAPLUS
 CN 2,4-Pyrrolidinediol, 3-amino-1-(2-amino-1-oxopropyl)-5-(hydroxymethyl)-, dihydrochloride, [2R-[1(R*),2a,3a,4B,5a]- (9CI)